



CELTO

21SW1800

21" 1800W ultra linear subwoofer driver



T&S PARAMETERS

$F(s) = 30 \text{ Hz}$
 $Q(ms) = 8.4$
 $V(as) = 281 \text{ liters}$
 $M(ms) = 355 \text{ grams}$
 $R(ms) = 8.232 \text{ kg/s}$
 $S(d) = 1632 \text{ sq.cm}$
 $V(d) = 2.448 \text{ liters}$
 $R(e) = 5.36 \text{ ohms}$
 $Q(es) = 0.402$
 $C(ms) = 0.074 \text{ mm/N}$
 $Q(ts) = 0.384$
 $L(e) \text{ 1kHz} = 2.20 \text{ mH}$
 $BL = 30.3$
 $n(0) = 2.00\%$

FEATURES

Deep, Clean, and Punchy Sound
 Xtra Long Excursion design
 DCS (Deflective Cooling System)
 Water Resistant KEVLAR® loaded Paper Cone
 Optimized Parameters for Compact Cabinets

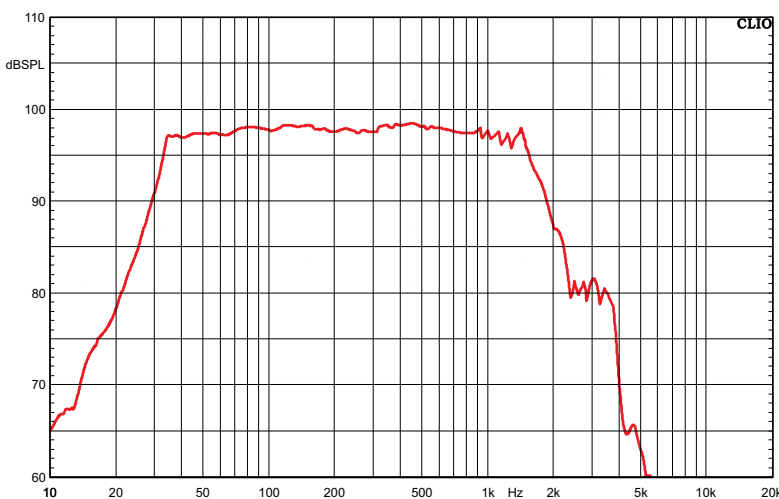
SPECIFICATIONS

Nominal diameter = 460mm (18 inch)
 Nominal Impedance = 8 ohms
 Power handling = 1800W RMS (AES Standard)
 Sensitivity = 98 dB / 1W / 1m
 Voice coil diameter = 4.5 inch (115mm)
 Voice coil height Hvc = 34mm
 Voice coil air gap Hag = 15mm
 $X_{max} (Hvc-Hag)/2 + Hag/4 = \pm 13.25\text{mm}$
 $X_{mech} \text{ (peak-peak)} = 62\text{mm}$
 Voice coil winding = 2 layers IN / OUT
 Voice coil material = 240°C Thermal Class Copper
 Voice coil former = DUPONT® GFB fiberglass
 Suspension = Triple roll, impregnated fabric
 Spider = dual with silicon damping, NOMEX®
 Cone = fiber loaded, waterproof treated paper
 Chassis = Die Cast Aluminum
 Magnet = Ø250mm Y35 Ferrite

MOUNTING & SHIPPING

Overall diameter = 546 mm
 Bolt circle diameter = 514-520 mm
 Baffle cutout diameter = 494 mm
 Flange and gasket thickness = 14 mm
 Overall depth = 229 mm
 Net weight = 16 kg
 Shipping weight = 20 kg
 Shipping box = 560x560x300 mm

FREQUENCY RESPONSE



Important remarks:

1. Power handling is 2 hours test according to AES 2-1984 Rev. 2003
2. X_{mech} is maximum excursion before damage
3. Thiele-Small parameters are measured after 2 hours of high level 20 Hz sine wave pre-conditioning test.
4. Manufacturing tolerance: $F_s \pm 5\text{Hz}$ and $R_e \pm 0.4 \text{ ohm}$

